

Product datasheet for **RA104HRP**

Biotin (HRP conjugated)

Product data:

Product Type:	Native Proteins
Description:	Biotin conjugated with HRP, 5 mg
Concentration:	lot specific
Purity:	This product was prepared from chromatographically purified biotin. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase and anti-Biotin.
Conjugation:	HRP
Buffer:	State: Lyophilized Biotin conjugated to Horderadish peroxidase (HRP) Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, containing 10 mg/ml BSA, IgG and Protease free as stabilizer and 0.01% (w/v) gentamicin sulfate. Presentation Label: HRP
Reconstitution Method:	Restore with 5.0 ml of deionized water (or equivalent). Do not add sodium azide!
Preparation:	Lyophilized Biotin conjugated to Horderadish peroxidase (HRP)
Applications:	Suitable for immunoblotting (Western: 1/10,000-1/40,000 or dot blot), ELISA (1/20,000-1/200,000), immunoperoxidase electron microscopy and immunochemistry (1/1,000-1/5,000) as well as other Glucose Oxidase-biotin-avidin based enzymatic assays.
Storage:	Store vial at 4°C prior to restoration. Restore with deionized water or equivalent; centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage reconstitute product with 50% glycerol instead of water and then aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing.
Stability:	Shelf life: One year from despatch.
Summary:	Biotin is a water soluble vitamin, generally classified as a B complex vitamin, also called vitamin B4. After the initial discovery of biotin, nearly forty years of research were required to establish it as a vitamin. Biotin is required by all organisms but can only be synthesized by bacteria, yeasts, molds, algae, and some plant species. Biotin is required as prosthetic group of enzymes involved in incorporation of carbon dioxide into organic compounds. Biotin has a MW of 244 Da.



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